806 Project Schedule Reporting

Functional Group ID=PJ

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Project Schedule Reporting Transaction Set (806) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the transmission of planning, scheduling, and status information. The purpose of this transaction set is to establish an initial plan, report progress against the plan, and report changes to the plan. It is designed to serve the needs of government agencies, prime contractors and their subcontractors.

Notes:

1. The purpose of this draft implementation convention is to provide a general framework that can be used to exchange a variety of planning, scheduling, and resource information between the Department of Defense (DoD) agencies and their contractors. This includes proposal, initial or baseline, change or update, and status details.

2. While specific commercial off the shelf planning and scheduling software was reviewed for the type of data that needed to be included in this transaction set, this implementation conventon is designed to be used with ANY software tool that may be used by the contractor or government agency. The objective is to define the core data exchange requirements in a neutral format - i.e., it is not customized to fit one specific software tool.

3. It is anticipated that the 806 transaction set and this implementation convention will be used for bi -directional data exchange. That means it can be used by the contractor to send information to their government customer and it can be used by the government agency to send information to the contractor. Generally, the N1 (Name) loop in table 1 of the transaction set identifies the sending or receiving party.

4. This implementation convention is meant to define the FORMAT of the data that will be exchanged. The CONTENT of the data is always governed by any applicable Contract Data Requirements List (CDRL), Data Item Description (DID), or contract Statement of Work (SOW).

5. The example appendix for this implementation convention provides additional reference information on how this transaction set is used to exchange planning and scheduling data.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPP	Beginning Segment for Project Schedule Reporting	M	1		
	030	REF	Reference Identification	O	>1		
			LOOP ID - N1			>1	

	040	N1	Name	O	1	
	050	N2	Additional Name Information	O	2	
	060	N3	Address Information	O	2	
	070	N4	Geographic Location	O	1	
N/U	080	REF	Reference Identification	O	>1	
	090	PER	Administrative Communications Contact	O	>1	
N/U	100	DTM	Date/Time Reference	O	>1	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CAL			>1	
	010	CAL	Calendar	O	1		
N/U	020	QTY	Quantity	O	>1		
	030	DTM	Date/Time Reference	O	>1		
			LOOP ID - RSC			>1	
	040	RSC	Resource	O	1		
N/U	050	REF	Reference Identification	O	>1		
N/U	060	DTM	Date/Time Reference	O	>1		
N/U	070	QTY	Quantity	O	>1		
N/U	080	AMT	Monetary Amount	O	>1		
N/U	090	PCT	Percent Amounts	O	>1		
N/U	100	RPA	Rate Amounts or Percents	O	>1		
			LOOP ID - TID			>1	
	110	TID	Task Identification	O	1		
	120	REF	Reference Identification	O	>1		
	130	DTM	Date/Time Reference	O	>1		
	140	QTY	Quantity	O	>1		
	150	AMT	Monetary Amount	O	>1		
	160	PCT	Percent Amounts	O	>1		
	170	N1	Name	O	>1		
	180	PER	Administrative Communications Contact	O	>1		
	190	PID	Product/Item Description	O	>1		
	200	MSG	Message Text	O	>1		
			LOOP ID - RSC			>1	
	210	RSC	Resource	O	1		
	220	REF	Reference Identification	O	>1		
	230	DTM	Date/Time Reference	O	>1		
	240	QTY	Quantity	O	>1		
	250	AMT	Monetary Amount	O	>1		
	260	PCT	Percent Amounts	O	>1		
N/U	270	RPA	Rate Amounts or Percents	O	>1		
	280	PAM	Period Amount	O	>1		
			LOOP ID - MLS			>1	
	290	MLS	Milestone	O	1		
	300	REF	Reference Identification	O	>1		

	310	DTM	Date/Time Reference	O	>1
	320	QTY	Quantity	O	>1
	330	AMT	Monetary Amount	O	>1
	340	PCT	Percent Amounts	O	>1
Must Use	350	SE	Transaction Set Trailer	M	1

Segment:	**ST** Transaction Set Header	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID	3/3

Code uniquely identifying a Transaction Set

    806   X12.196 Project Schedule Reporting

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ST02	329	**Transaction Set Control Number**	M	AN	4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

A unique number assigned by the originator of the transaction set or by the originator's application program. This number is the same as the number in SE02.

Segment:	**BPP** Beginning Segment for Project Schedule Reporting	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of the Project Schedule Reporting Transaction Set and program identifying numbers	
Syntax Notes:	1	At least one of BPP04 BPP05 or BPP06 is required.
Semantic Notes:	1	BPP02 is the transaction set date.
	2	BPP05 is the program name.
	3	BPP06 is the program number identification.
	4	BPP07 is the report effective date.
	5	BPP09 is the schedule number identification.
	6	BPP10 is available for a schedule title or reference.
	7	BPP11 is the schedule date or schedule effective date.
	8	BPP12 is the priority rating reference number.
Comments:		

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use BPP01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set

00	Original
04	Change
05	Replace
14	Advance Notification

Use this code in the event preliminary schedule data must be transmitted. This preliminary transmission is then followed with a final transmission (code 20) to provide the final schedule data.

20	Final Transmission

Use this code to trasmit final schedule data when preliminary data has been sent (code 14).

22	Information Copy

Use this code in the event an information copy of the schedule data needs to go to a specific receiving party. This receiving party is named in the N1 (Name) segment (use code ZD, Party to Receive Reports, in N101).

Ref. Des.	Data Element	Name	Attributes
Must Use BPP02	373	**Date**	M DT 6/6

Date (YYMMDD)

Enter the date the data report was created. This date is used for reference

purposes only.

Must Use	**BPP03**	**1164**	**Network or Schedule Data Type**	**M**	**ID**	**2/2**

Codes to identify the network or schedule or type of presentation

02	Logic Network Precedence Diagramming Method
03	Bar Chart (Gantt Chart)
04	Milestone
05	Line of Balance (LOB)
06	Task List

	BPP04	**367**	**Contract Number**	**X**	**AN**	**1/30**

Contract number

Enter the contract number.

	BPP05	**352**	**Description**	**X**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

Enter the name or short description of the program. If the data is for a Request for Quote or Request for Proposal (RFQ/RFP), enter the description in this data element and provide the solicitation or proposal number in the following REF (1/REF/030) segment.

	BPP06	**127**	**Reference Identification**	**X**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Enter the program number.

Must Use	**BPP07**	**373**	**Date**	**O**	**DT**	**6/6**

Date (YYMMDD)

Enter the report effective date. This is considered to be the date the data was pulled or extracted from the source database.

Must Use	**BPP08**	**755**	**Report Type Code**	**O**	**ID**	**2/2**

Code indicating the title or contents of a document, report or supporting item

21	Recovery Plan
26	Production Plan

    Use this code for an Integrated Master Plan (IMP).

31	Master Schedule

    Use this code for an Integrated Master Schedule (IMS).

	BPP09	**127**	**Reference Identification**	**O**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Enter the unique schedule reference number for this transaction set. This code can be used to link related transaction sets together (for example, with a Project Cost Reporting 839 or Specifications/Technical Information 841 transaction set).

	BPP10	**352**	**Description**	**O**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

Enter the name or short description of the schedule.

Must Use	**BPP11**	**373**	**Date**	**O**	**DT**	**6/6**

Date (YYMMDD)

Enter the schedule status effective date. This is the Time Now date for the data.

	BPP12	**127**	**Reference Identification**	**O**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use this data element to enter a version number for the schedule data.

	BPP13	**786**	**Security Level Code**	**O**	**ID**	**2/2**

Code indicating the level of confidentiality assigned by the sender to the information following

Typically all data is assumed to be company propietary information and is treated as government non-classified information (code 90). In the event codes 92, 93, or 94 are used, additional security measures such as encryption are used to protect the data.

11	Competition Sensitive
90	Government Non-Classified
92	Government Confidential
93	Government Secret
94	Government Top Secret

Segment:	**REF** Reference Identification	
Position:	030	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify identifying information	
Syntax Notes:	**1** At least one of REF02 or REF03 is required.	
	2 If either C04003 or C04004 is present, then the other is required.	
	3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	*Use this segment to convey any additional reference numbers that are needed to identify or further qualify the schedule information being transmitted.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use **REF01**	**128**	**Reference Identification Qualifier**	**M ID 2/3**

Code Qualifying the Reference Identification

39	Proposal Number
72	Schedule Reference Number

Use this code to indicate there is a related Project Schedule Reporting (806) transaction set(s) that complements this transaction set. The unique reference number entered in REF02 should be the same unique reference number entered in BPP09 (1/BPP/020) in the related 806 transaction set.

92	Change Document Number
AT	Appropriation Number
C4	Change Number
CA	Cost Allocation Reference

Use this code to indicate there is a related Project Cost Reporting (839) transaction set(s) that complements this transaction set. The unique reference number entered in REF02 should be the same unique reference number entered in REF02 (1/REF/030) in the 839 transaction set.

KS	Solicitation
NJ	Technical Document Number

Use this code to indicate there is a related Specifications/Technical Information (841) transaction set(s) that complements this transaction set. The unique reference number entered in REF02 should be the same unique reference number entered

in SPI03 (1/SPI/020) in the 841 transaction set.

Must Use	REF02	127	**Reference Identification**	X	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use to enter the reference number.

N/U	REF03	352	**Description**	X	AN	1/80

A free-form description to clarify the related data elements and their content

N/U	REF04	C040	**Reference Identifier**	O		

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

N/U	C04001	128	**Reference Identification Qualifier**	M	ID	2/3

Code Qualifying the Reference Identification

N/U	C04002	127	**Reference Identification**	M	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N/U	C04003	128	**Reference Identification Qualifier**	X	ID	2/3

Code Qualifying the Reference Identification

N/U	C04004	127	**Reference Identification**	X	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N/U	C04005	128	**Reference Identification Qualifier**	X	ID	2/3

Code Qualifying the Reference Identification

N/U	C04006	127	**Reference Identification**	X	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**N1** Name	
Position:	040	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.
Notes:		*1. This segment is required. As a minimum, use this segment to provide information about the party sending the schedule data. As an option, include information about the party receiving the schedule data.*
		2. Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2, N3, and N4 as applicable when this information cannot be provided by using one of the codes listed in N103.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	N101	98	Entity Identifier Code	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

	FR	Message From
		Use this code to identify the organization sending the schedule data.
	TO	Message To
		Use this code to identify the organization receiving the schedule data.
	ZD	Party to Receive Reports
		Use this code to identify the organization that receives an information copy of the schedule data.

	Ref. Des.	Data Element	Name		Attributes	
	N102	93	Name	X	AN	1/35

Free-form name

	Ref. Des.	Data Element	Name		Attributes	
	N103	66	Identification Code Qualifier	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

	1	D-U-N-S Number, Dun & Bradstreet
	9	D-U-N-S+4, D-U-N-S Number with Four Character

			Suffix			
		10	Department of Defense Activity Address Code (DODAAC)			
		33	Commercial and Government Entity (CAGE)			
	N104	**67**	**Identification Code**	**X**	**AN**	**2/20**
			Code identifying a party or other code			
N/U	**N105**	**706**	**Entity Relationship Code**	**O**	**ID**	**2/2**
			Code describing entity relationship			
N/U	**N106**	**98**	**Entity Identifier Code**	**O**	**ID**	**2/2**
			Code identifying an organizational entity, a physical location, or an individual			

Segment:	**N2** Additional Name Information	
Position:	050	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*This segment should only be used when N102 is used and it is necessary to provide additional name information.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N201	93	Name	M	AN	1/35
			Free-form name			
	N202	93	Name	O	AN	1/35
			Free-form name			

Segment:	**N3** Address Information	
Position:	060	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify the location of the named party	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*This segment should only be used when N102 is used.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N301	166	**Address Information**	M	AN	1/35
			Address information			
	N302	166	**Address Information**	O	AN	1/35
			Address information			

Segment:	**N4** Geographic Location	
Position:	070	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1	If N406 is present, then N405 is required.
Semantic Notes:		
Comments:	1	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2	N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	*This segment should only be used when N102 is used.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	N401	**19**	**City Name**	**O**	**AN**	**2/30**
			Free-form text for city name			
	N402	**156**	**State or Province Code**	**O**	**ID**	**2/2**
			Code (Standard State/Province) as defined by appropriate government agency			
	N403	**116**	**Postal Code**	**O**	**ID**	**3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
	N404	**26**	**Country Code**	**O**	**ID**	**2/3**
			Code identifying the country			
N/U	**N405**	**309**	**Location Qualifier**	**X**	**ID**	**1/2**
			Code identifying type of location			
N/U	**N406**	**310**	**Location Identifier**	**O**	**AN**	**1/30**
			Code which identifies a specific location			

Segment:	**PER** Administrative Communications Contact		
Position:	090		
Loop:	N1		
Level:	Heading		
Usage:	Optional		
Max Use:	>1		
Purpose:	To identify a person or office to whom administrative communications should be directed		
Syntax Notes:	1	If either PER03 or PER04 is present, then the other is required.	
	2	If either PER05 or PER06 is present, then the other is required.	
	3	If either PER07 or PER08 is present, then the other is required.	
Semantic Notes:			
Comments:			
Notes:	*This segment is required.*		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER01	366	**Contact Function Code**	M	ID	2/2

Code identifying the major duty or responsibility of the person or group named

    CD   Contract Contact

Must Use	PER02	93	**Name**	O	AN	1/35

Free-form name

Provide the last name, first name, and middle initial if available. Include blank spaces between name components and periods after initials.   Omit the comma between the last name and first name.

Must Use	PER03	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

    AU   Defense Switched Network
    EM   Electronic Mail
    FT   Federal Telecommunications System (FTS)
    FX   Facsimile
    IT   International Telephone
    TE   Telephone

Must Use	PER04	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

	PER05	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

    AU   Defense Switched Network
    EM   Electronic Mail
    EX   Telephone Extension

When used, there must be a previous communication number citing either national or international telephone number.

	FT	Federal Telecommunications System (FTS)
	FX	Facsimile
	IT	International Telephone
	TE	Telephone

PER06	**364**	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

PER07	**365**	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

	AU	Defense Switched Network
	EM	Electronic Mail
	EX	Telephone Extension

When used, there must be a previous communication number citing either national or international telephone number.

	FT	Federal Telecommunications System (FTS)
	FX	Facsimile
	IT	International Telephone
	TE	Telephone

PER08	**364**	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

PER09	**443**	**Contact Inquiry Reference**	**O**	**AN**	**1/20**

Additional reference number or description to clarify a contact number

Use this data element to enter the title of the person named in PER02.

Segment: **CAL** Calendar

Position:	010
Loop:	CAL
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify the calendar and working shift details for the plan or schedule
Syntax Notes:	1 If either CAL14 or CAL15 is present, then the other is required.
Semantic Notes:	1 CAL01 identifies whether a reference number is a calendar or shift.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	CAL01	128	**Reference Identification Qualifier**	M	ID	2/3

Code Qualifying the Reference Identification

    70   Calendar Number

	Ref. Des.	Data Element	Name		Attributes	
Must Use	CAL02	127	**Reference Identification**	M	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Enter the number or name of the calendar.

	Ref. Des.	Data Element	Name		Attributes	
N/U	CAL03	344	**Unit of Time Period or Interval**	O	ID	2/2

Code indicating the time period or interval

N/U	CAL04	374	**Date/Time Qualifier**	O	ID	3/3

Code specifying type of date or time, or both date and time

N/U	CAL05	373	**Date**	O	DT	6/6

Date (YYMMDD)

N/U	CAL06	337	**Time**	O	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N/U	CAL07	623	**Time Code**	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

N/U	CAL08	678	**Ship/Delivery or Calendar Pattern Code**	O	ID	1/2

Code which specifies the routine shipments, deliveries, or calendar pattern

N/U	CAL09	374	**Date/Time Qualifier**	O	ID	3/3

Code specifying type of date or time, or both date and time

| N/U | CAL10 | 373 | **Date** | | O | DT | 6/6 |

Date (YYMMDD)

| N/U | CAL11 | 337 | **Time** | | O | TM | 4/8 |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| N/U | CAL12 | 623 | **Time Code** | | O | ID | 2/2 |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

| N/U | CAL13 | 678 | **Ship/Delivery or Calendar Pattern Code** | | O | ID | 1/2 |

Code which specifies the routine shipments, deliveries, or calendar pattern

| N/U | CAL14 | 673 | **Quantity Qualifier** | | X | ID | 2/2 |

Code specifying the type of quantity

| N/U | CAL15 | 380 | **Quantity** | | X | R | 1/15 |

Numeric value of quantity

| N/U | CAL16 | 369 | **Free-form Description** | | O | AN | 1/45 |

Free-form descriptive text

Segment: **DTM** Date/Time Reference
Position: 030
Loop: CAL
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
 2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	DTM01	374	Date/Time Qualifier	M	ID	3/3

Code specifying type of date or time, or both date and time

263   Holiday

Must Use	DTM02	373	Date	X	DT	6/6

Date (YYMMDD)

N/U	DTM03	337	Time	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N/U	DTM04	623	Time Code	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

N/U	DTM05	624	Century	O	N0	2/2

The first two characters in the designation of the year (CCYY)

N/U	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3

Code indicating the date format, time format, or date and time format

N/U	DTM07	1251	Date Time Period	X	AN	1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**RSC** Resource			
Position:	040			
Loop:	RSC			
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify resource details for tasks or activities			
Syntax Notes:				
Semantic Notes:				
Comments:				
Notes:	*Use this segment to describe the available resources.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	RSC01	1180	**Resource Code (or Identifier)**	M	AN	1/20

To identify a resource code or identifier (such as a specific skill, department, or material)

Enter the name or code of the resource.

	Ref. Des.	Data Element	Name	Attributes		
	RSC02	352	**Description**	O	AN	1/80

A free-form description to clarify the related data elements and their content

	Ref. Des.	Data Element	Name	Attributes		
	RSC03	1181	**Resource Type**	O	ID	2/2

Code identifying the type of allocation or resource being scheduled

EF	Equipment Founded	

Use this code to identify all types of equipment.

LA	Labor
LD	Labor Double Time
LE	Lease
LO	Labor Overtime (Time and a Half)
LP	Labor Premium
LS	Labor Straight Time
MA	Material
MC	Material, Consumable
MN	Material, Nonconsumable
OT	Other
SC	Subcontract

	Ref. Des.	Data Element	Name	Attributes		
	RSC04	306	**Action Code**	O	ID	1/2

Code indicating type of action

1	Add
2	Change (Update)
3	Delete

Segment:	**TID** Task Identification		
Position:	110		
Loop:	TID		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify the work task and activity, what type of task it is, and related information		
Syntax Notes:			
Semantic Notes:	1 TID07 is the calendar number identification.		
	2 TID08 is the shift number identification.		
Comments:			
Notes:	*This segment is required.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	TID01	1173	**Task ID Qualifier**	M ID 2/2

Codes to identify the task or activity or event type

03	Activity
04	Interface Activity (when 2 or more separate networks are combined to create 1 network)
06	Milestone
08	Constraint - Finish to Start
09	Constraint - Start to Finish
10	Constraint - Finish to Finish
11	Constraint - Start to Start

	Ref. Des.	Data Element	Name	Attributes
Must Use	TID02	1174	**Task Identifier**	O AN 1/20

To identify a task or activity or event number

Enter the task or milestone identification number or code. If the Task ID Qualifier is a constraint (code 08, 09, 10, or 11), enter the predecessor task identification number or code.

	TID03	1175	**Relationship Task Identifier**	O AN 1/20

To identify a related (successor) task or activity or event number

If the Task ID Qualifier is a constraint (code 08, 09, 10, or 11) or an Interface Activity (code 04), enter the succeeding or related task identification number or code. For activities or milestones (TID01 is code 03 or 06), leave this data element blank.

	TID04	352	**Description**	O AN 1/80

A free-form description to clarify the related data elements and their content

	TID05	1297	**Work Status Code**	O ID 1/2

Code indicating the status for a work task

CO	Complete

			ST	Started			

	TID06	**306**	**Action Code**		**O**	**ID**	**1/2**

Code indicating type of action

		1	Add
		2	Change (Update)
		3	Delete

	TID07	**127**	**Reference Identification**	**O**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Enter the calendar identification number or reference for the task.

N/U	**TID08**	**127**	**Reference Identification**	**O**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	TID09	**1178**	**Level**	**O**	**AN**	**1/3**

Reporting structure identification

Use to identify the reporting level of the task. Enter a number related to the level such as "1", "2", "3", and so forth.

Segment:	**REF** Reference Identification	
Position:	120	
Loop:	TID	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify identifying information	
Syntax Notes:	1	At least one of REF02 or REF03 is required.
	2	If either C04003 or C04004 is present, then the other is required.
	3	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.
Comments:		
Notes:	*Use this segment to provide additional reference numbers related to the task or milestone described in the TID segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID	2/3

Code Qualifying the Reference Identification

43	Supporting Document Number

Use this code to provide an Integrated Master Plan (IMP) or Integrated Master Schedule (IMS) reference number.

73	Statement of Work (SOW)
74	Work Breakdown Structure (WBS)
75	Organization Breakdown Structure
77	Work Package
78	Planning Package
79	Cost Account
80	Charge Number
88	Work Center
C7	Contract Line Item Number
CT	Contract Number

Use this code to identify a related, but separate contract number for the task or milestone described in the TID segment. This code is only used when there are contract interdependencies in the schedule data. The contract number entered in BPP04 identifies the contract number that applies to the entire schedule data.

FI	File Identifier

Use this code to identify a related file. Enter the file name in REF03.

			L4	Proposal Paragraph Number		
			WO	Work Order Number		
	REF02	**127**	**Reference Identification**	**X**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use this data element for all codes entered in REF01 with the exception of code FI (file identification).

	REF03	**352**	**Description**	**X**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

Use this data element when REF01 is code FI. Enter the file name in this data element.

N/U	**REF04**	**C040**	**Reference Identifier**	**O**		

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

N/U	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID**	**2/3**

Code Qualifying the Reference Identification

N/U	**C04002**	**127**	**Reference Identification**	**M**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N/U	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID**	**2/3**

Code Qualifying the Reference Identification

N/U	**C04004**	**127**	**Reference Identification**	**X**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N/U	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID**	**2/3**

Code Qualifying the Reference Identification

N/U	**C04006**	**127**	**Reference Identification**	**X**	**AN**	**1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**DTM** Date/Time Reference
Position:	130
Loop:	TID
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify pertinent dates and times
Syntax Notes:	1　At least one of DTM02 DTM03 or DTM06 is required.
	2　If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
Must Use DTM01	374	**Date/Time Qualifier**	M	ID 3/3

Code specifying type of date or time, or both date and time

196	Start
197	End
240	Baseline Start
241	Baseline Complete
242	Actual Start
243	Actual Complete
244	Estimated Start
245	Estimated Completion
246	Start no earlier than
247	Start no later than
248	Finish no later than
249	Finish no earlier than
250	Mandatory (or Target) Start
251	Mandatory (or Target) Finish
252	Early Start
253	Early Finish
254	Late Start
255	Late Finish
256	Scheduled Start
257	Scheduled Finish
416	Optimistic Late Start

Usethis code to indicate the previous month estimated start date.

417	Optimistic Late Finish

Use this code to indicate the previous month

| | | | *estimated complete date.* | | | |

| | | **420** | Most Likely Late Start | | | |

Use this code to indicate the previous month minus 1 (2 months back) estimated start date.

| | | **421** | Most Likely Late Finish | | | |

Use this code to indicate the previous month minus 1 (2 months back) estimated complete date.

| | | **424** | Pessimistic Late Start | | | |

Use this code to indicate the previous month minus 2 (3 months back) estimated start date.

| | | **425** | Pessimistic Late Finish | | | |

Use this code to indicate the previous month minus 2 (3 months back) estimated complete date.

Must Use	**DTM02**	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

N/U	**DTM03**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N/U	**DTM04**	**623**	**Time Code**	**O**	**ID**	**2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

N/U	**DTM05**	**624**	**Century**	**O**	**N0**	**2/2**

The first two characters in the designation of the year (CCYY)

N/U	**DTM06**	**1250**	**Date Time Period Format Qualifier**	**X**	**ID**	**2/3**

Code indicating the date format, time format, or date and time format

N/U	**DTM07**	**1251**	**Date Time Period**	**X**	**AN**	**1/35**

Expression of a date, a time, or range of dates, times or dates and times

Segment: **QTY** Quantity
Position: 140
Loop: TID
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2

Code specifying the type of quantity

1B	Current Duration (in calendar units)
1C	Remaining Duration (in calendar units)
1D	Total Float (in calendar units)
1E	Free Float (in calendar units)
1F	Lag (as in Lag Time - in calendar units)
1G	Lead Time (in calendar units)
A2	Optimistic Duration
AV	Budget

Use this code to indicate the total number of hours budgeted for the task described in the TID segment.

	Ref. Des.	Data Element	Name		Attributes	
Must Use	QTY02	380	**Quantity**	M	R	1/15

Numeric value of quantity

| | QTY03 | C001 | **Composite Unit of Measure** | O | | |

To identify a composite unit of measure(See Figures Appendix for examples of use.)

	C00101	355	**Unit or Basis for Measurement Code**	M	ID	2/2
Must Use						

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Use this data element if it is necessary to indicate the calendar units used when QTY01 is code 1B, 1C, 1D 1E, 1F, 1G, or A2.

DA	Days
HR	Hours
WK	Week

	Ref. Des.	Data Element	Name		Attributes	
N/U	C00102	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

| N/U | C00103 | 649 | **Multiplier** | O | R | 1/10 |

			Value to be used as a multiplier to obtain a new value			
N/U	C00104	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00105	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00106	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
N/U	C00107	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00108	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00109	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
N/U	C00110	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00111	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00112	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
N/U	C00113	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00114	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00115	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			

Segment:	**AMT** Monetary Amount	
Position:	150	
Loop:	TID	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To indicate the total monetary amount	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	AMT01	522	**Amount Qualifier Code**	M	ID	1/2
			Code to qualify amount			

        B5   Budgeted

Use this code to indicate the total budgeted cost for the task identified in the TID segment.

	Ref. Des.	Data Element	Name		Attributes	
Must Use	AMT02	782	**Monetary Amount**	M	R	1/15
			Monetary amount			
N/U	AMT03	478	**Credit/Debit Flag Code**	O	ID	1/1
			Code indicating whether amount is a credit or debit			

Segment: **PCT** Percent Amounts

Position:	160
Loop:	TID
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To qualify percent amounts and supply percent amounts
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PCT01	1004	**Percent Qualifier**	M	ID	1/2

Code to qualify percent

10	Complete
11	Remaining
17	Physical (Percent) Completed

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PCT02	954	**Percent**	M	R	1/10

Percentage expressed as a decimal

Segment:	**N1** Name	
Position:	170	
Loop:	TID	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.
Notes:	*Use this segment to identify a work team related to the task or milestone described in the TID segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N101	98	**Entity Identifier Code**	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

	W1		Work Team			
	W2		Supplier Work Team			

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N102	93	**Name**	X	AN	1/35

Free-form name

Enter the name or reference code for the work team.

	Ref. Des.	Data Element	Name	Attributes		
N/U	N103	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

	Ref. Des.	Data Element	Name	Attributes		
N/U	N104	67	**Identification Code**	X	AN	2/20

Code identifying a party or other code

	Ref. Des.	Data Element	Name	Attributes		
N/U	N105	706	**Entity Relationship Code**	O	ID	2/2

Code describing entity relationship

	Ref. Des.	Data Element	Name	Attributes		
N/U	N106	98	**Entity Identifier Code**	O	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

Segment:	**PER** Administrative Communications Contact		
Position:	180		
Loop:	TID		
Level:	Detail		
Usage:	Optional		
Max Use:	>1		

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.
3. If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *Use this segment to identify a responsible person for the task or milestone described in the TID segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PER01	366	**Contact Function Code**	M	ID	2/2

Code identifying the major duty or responsibility of the person or group named

   RP   Responsible Person

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PER02	93	**Name**	O	AN	1/35

Free-form name

Provide the last name, first name, and middle initial if available. Include blank spaces between name components and periods after initials.

	Ref. Des.	Data Element	Name	Attributes		
	PER03	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

   AU   Defense Switched Network
   EM   Electronic Mail
   FT   Federal Telecommunications System (FTS)
   FX   Facsimile
   IT   International Telephone
   TE   Telephone

	Ref. Des.	Data Element	Name	Attributes		
	PER04	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

	Ref. Des.	Data Element	Name	Attributes		
	PER05	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

   AU   Defense Switched Network
   EM   Electronic Mail
   EX   Telephone Extension

*When used, there must be a previous communication
number citing either a national or international
telephone number.*

FT	Federal Telecommunications System (FTS)		
FX	Facsimile		
IT	International Telephone		
TE	Telephone		

PER06   **364**   **Communication Number**   **X**   **AN**   **1/80**

Complete communications number including country or area code when applicable

PER07   **365**   **Communication Number Qualifier**   **X**   **ID**   **2/2**

Code identifying the type of communication number

AU	Defense Switched Network
EM	Electronic Mail
EX	Telephone Extension

*When used, there must be a previous communication
number citing either a national or international
telephone number.*

FT	Federal Telecommunications System (FTS)
FX	Facsimile
IT	International Telephone
TE	Telephone

PER08   **364**   **Communication Number**   **X**   **AN**   **1/80**

Complete communications number including country or area code when applicable

N/U   **PER09**   **443**   **Contact Inquiry Reference**   **O**   **AN**   **1/20**

Additional reference number or description to clarify a contact number

Segment: **PID** Product/Item Description

Position:	190
Loop:	TID
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	*If the task relates to production in a manufacturing type of environment, use this segment to provide details about the item being produced.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PID01	349	**Item Description Type**	M	ID	1/1
			Code indicating the format of a description			
			F Free-form			
Must Use	PID02	750	**Product/Process Characteristic Code**	O	ID	2/3
			Code identifying the general class of a product or process characteristic			
			08 Product			
			09 Sub-product			
			12 Type and/or Process			
N/U	PID03	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
N/U	PID04	751	**Product Description Code**	X	AN	1/12
			A code from an industry code list which provides specific data about a product characteristic			
Must Use	PID05	352	**Description**	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

N/U	**PID06**	**752**	**Surface/Layer/Position Code**	**O**	**ID**	**2/2**

Code indicating the product surface, layer or position that is being described

N/U	**PID07**	**822**	**Source Subqualifier**	**O**	**AN**	**1/15**

A reference that indicates the table or text maintained by the Source Qualifier

N/U	**PID08**	**1073**	**Yes/No Condition or Response Code**	**O**	**ID**	**1/1**

Code indicating a Yes or No condition or response

N/U	**PID09**	**819**	**Language Code**	**O**	**ID**	**2/3**

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**MSG** Message Text	
Position:	200	
Loop:	TID	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To provide a free-form format that allows the transmission of text information	
Syntax Notes:		
Semantic Notes:		
Comments:	1	MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes:	*Only use this segment one time to provide limited text about the task described in the TID segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	MSG01	933	**Free-Form Message Text**	M	AN	1/264
			Free-form message text			
N/U	MSG02	934	**Printer Carriage Control Code**	O	ID	2/2
			A field to be used for the control of the line feed of the receiving printer			

Segment:	**RSC** Resource	
Position:	210	
Loop:	RSC	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify resource details for tasks or activities	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*Use this segment to describe the resources assigned to a given task. Use the related segments in this Resource loop to provide additional information about the resource assigned to the task.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	RSC01	1180	**Resource Code (or Identifier)**	M	AN	1/20

To identify a resource code or identifier (such as a specific skill, department, or material)

Enter the name or code of the resource.

	Ref. Des.	Data Element	Name	Attributes		
	RSC02	352	**Description**	O	AN	1/80

A free-form description to clarify the related data elements and their content

	Ref. Des.	Data Element	Name	Attributes		
	RSC03	1181	**Resource Type**	O	ID	2/2

Code identifying the type of allocation or resource being scheduled

01	Consumable
02	Recurring
03	One of

	Ref. Des.	Data Element	Name	Attributes		
	RSC04	306	**Action Code**	O	ID	1/2

Code indicating type of action

1	Add
2	Change (Update)
3	Delete

Segment:	**REF** Reference Identification
Position:	220
Loop:	RSC
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	*Use this segment to provide reference numbers related to the resource described in the Resouce segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier**	M ID 2/3

Code Qualifying the Reference Identification

70	Calendar Number
87	Functional Category
DP	Department Number

	Ref. Des.	Data Element	Name	Attributes
	REF02	**127**	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use this data element when REF01 is code 70 (Calendar Number).

	REF03	**352**	**Description**	X AN 1/80

A free-form description to clarify the related data elements and their content

Use this data element when REF01 is code 87 (Functional Category) or DP (Department).

N/U	**REF04**	**C040**	**Reference Identifier**	O

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

N/U	**C04001**	**128**	**Reference Identification Qualifier**	M ID 2/3

Code Qualifying the Reference Identification

N/U	**C04002**	**127**	**Reference Identification**	M AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N/U	**C04003**	**128**	**Reference Identification Qualifier**	X ID 2/3

Code Qualifying the Reference Identification

N/U	**C04004**	**127**	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| N/U | C04005 | 128 | **Reference Identification Qualifier** | X | ID | 2/3 |

Code Qualifying the Reference Identification

| N/U | C04006 | 127 | **Reference Identification** | X | AN | 1/30 |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**DTM** Date/Time Reference		
Position:	230		
Loop:	RSC		
Level:	Detail		
Usage:	Optional		
Max Use:	>1		
Purpose:	To specify pertinent dates and times		
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM06 is required.	
	2	If either DTM06 or DTM07 is present, then the other is required.	
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

193	Period Start
194	Period End
196	Start
197	End
256	Scheduled Start
257	Scheduled Finish

	Ref. Des.	Data Element	Name	Attributes		
Must Use	DTM02	373	**Date**	X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes		
N/U	DTM03	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes		
N/U	DTM04	623	**Time Code**	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name	Attributes		
N/U	DTM05	624	**Century**	O	N0	2/2

The first two characters in the designation of the year (CCYY)

	Ref. Des.	Data Element	Name	Attributes		
N/U	DTM06	1250	**Date Time Period Format Qualifier**	X	ID	2/3

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name	Attributes		
N/U	DTM07	1251	**Date Time Period**	X	AN	1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**QTY** Quantity				
Position:	240				
Loop:	RSC				
Level:	Detail				
Usage:	Optional				
Max Use:	>1				
Purpose:	To specify quantity information				
Syntax Notes:					
Semantic Notes:					
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2

Code specifying the type of quantity

1P	Resource (Quantity) available	
1Q	Total Resource (Quantity)	
1R	Level Resource (Quantity)	
AV	Budget	

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY02	380	**Quantity**	M	R	1/15

Numeric value of quantity

	Ref. Des.	Data Element	Name	Attributes	
	QTY03	C001	**Composite Unit of Measure**	O	

To identify a composite unit of measure(See Figures Appendix for examples of use.)

	Ref. Des.	Data Element	Name	Attributes		
Must Use	C00101	355	**Unit or Basis for Measurement Code**	M	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Use code that applies or leave blank.

HR	Hours	
UN	Unit	
WM	Working Months	

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00102	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00103	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00104	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00105	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00106	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

N/U	C00107	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00108	1018	**Exponent**	**O**	**R**	**1/15**

Power to which a unit is raised

N/U	C00109	649	**Multiplier**	**O**	**R**	**1/10**

Value to be used as a multiplier to obtain a new value

N/U	C00110	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00111	1018	**Exponent**	**O**	**R**	**1/15**

Power to which a unit is raised

N/U	C00112	649	**Multiplier**	**O**	**R**	**1/10**

Value to be used as a multiplier to obtain a new value

N/U	C00113	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00114	1018	**Exponent**	**O**	**R**	**1/15**

Power to which a unit is raised

N/U	C00115	649	**Multiplier**	**O**	**R**	**1/10**

Value to be used as a multiplier to obtain a new value

Segment:	**AMT** Monetary Amount	
Position:	250	
Loop:	RSC	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To indicate the total monetary amount	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	AMT01	522	**Amount Qualifier Code**	M	ID	1/2
			Code to qualify amount			
			B5　　　　　Budgeted			
Must Use	AMT02	782	**Monetary Amount**	M	R	1/15
			Monetary amount			
N/U	AMT03	478	**Credit/Debit Flag Code**	O	ID	1/1
			Code indicating whether amount is a credit or debit			

Segment:	**PCT** Percent Amounts	
Position:	260	
Loop:	RSC	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To qualify percent amounts and supply percent amounts	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PCT01	1004	**Percent Qualifier**	M	ID	1/2
			Code to qualify percent			
			14 Availability Factor			
			15 Efficiency Factor			
			16 Scrap or Rework Yield			
Must Use	PCT02	954	**Percent**	M	R	1/10
			Percentage expressed as a decimal			

Segment:	**PAM** Period Amount
Position:	280
Loop:	RSC
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To indicate a quantity, and/or amount for an identified period
Syntax Notes:	1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
	2 At least one of PAM02 PAM05 or PAM14 is required.
	3 If either PAM04 or PAM05 is present, then the other is required.
	4 If either PAM06 or PAM07 is present, then the other is required.
	5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
	6 If PAM07 is present, then PAM06 is required.
	7 If PAM08 is present, then PAM07 is required.
	8 If PAM09 is present, then PAM07 is required.
	9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
	10 If PAM11 is present, then PAM10 is required.
	11 If either PAM13 or PAM14 is present, then the other is required.
Semantic Notes:	1 PAM10, PAM11, or PAM12 are used when two dates are required.
Comments:	
Notes:	*Use this segment when quantities, amounts, and percents need to be related to one or two dates.*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
PAM01	**673**	**Quantity Qualifier**	X	ID	2/2
		Code specifying the type of quantity			
		AV Budget			
PAM02	**380**	**Quantity**	X	R	1/15
		Numeric value of quantity			
PAM03	**C001**	**Composite Unit of Measure**	X		
		To identify a composite unit of measure(See Figures Appendix for examples of use.)			
Must Use **C00101**	**355**	**Unit or Basis for Measurement Code**	M	ID	2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		HR Hours			
		WM Working Months			
N/U **C00102**	**1018**	**Exponent**	O	R	1/15
		Power to which a unit is raised			
N/U **C00103**	**649**	**Multiplier**	O	R	1/10
		Value to be used as a multiplier to obtain a new value			
N/U **C00104**	**355**	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00105	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

N/U	C00106	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

N/U	C00107	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00108	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

N/U	C00109	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

N/U	C00110	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00111	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

N/U	C00112	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

N/U	C00113	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

N/U	C00114	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

N/U	C00115	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

	PAM04	522	**Amount Qualifier Code**	X	ID	1/2

Code to qualify amount

    B5   Budgeted

	PAM05	782	**Monetary Amount**	X	R	1/15

Monetary amount

	PAM06	344	**Unit of Time Period or Interval**	X	ID	2/2

Code indicating the time period or interval

    KL   As Required
    MO   Month

	PAM07	374	**Date/Time Qualifier**	X	ID	3/3

Code specifying type of date or time, or both date and time

    196   Start

	PAM08	373	**Date**	X	DT	6/6

Date (YYMMDD)

N/U	PAM09	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	PAM10	374	**Date/Time Qualifier**	X	ID	3/3

Code specifying type of date or time, or both date and time

197   End

	PAM11	373	**Date**	X	DT	6/6

Date (YYMMDD)

N/U	PAM12	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N/U	PAM13	1004	**Percent Qualifier**	X	ID	1/2

Code to qualify percent

N/U	PAM14	954	**Percent**	X	R	1/10

Percentage expressed as a decimal

Segment:	**MLS** **Milestone**	
Position:	290	
Loop:	MLS	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify milestone details for tasks or activities	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*Use this segment to describe milestones associated with a task. Use the related segments in this Milestone loop to provide additional information about the milestone described in this segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	MLS01	1171	**Milestone Number Identification**	M	AN	1/20
			To identify a milestone number			
			Enter the name, code, or reference number for the milestone.			
	MLS02	352	**Description**	O	AN	1/80
			A free-form description to clarify the related data elements and their content			
	MLS03	1297	**Work Status Code**	O	ID	1/2
			Code indicating the status for a work task			

	CO	Complete
	RE	Revised
	ST	Started

	Ref. Des.	Data Element	Name	Attributes		
	MLS04	306	**Action Code**	O	ID	1/2
			Code indicating type of action			

	1	Add
	2	Change (Update)
	3	Delete

Segment:	**REF** Reference Identification					
Position:	300					
Loop:	MLS					
Level:	Detail					
Usage:	Optional					
Max Use:	>1					
Purpose:	To specify identifying information					

Syntax Notes: 1 At least one of REF02 or REF03 is required.
                2 If either C04003 or C04004 is present, then the other is required.
                3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: *Use this segment to provide reference numbers related to the milestone described in the Milestone segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID**	**2/3**
			Code Qualifying the Reference Identification			
			77 Work Package			
			80 Charge Number			
			81 Symbol Number (for Milestone or LOB reports)			
			WO Work Order Number			
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN**	**1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
N/U	**REF03**	**352**	**Description**	**X**	**AN**	**1/80**
			A free-form description to clarify the related data elements and their content			
N/U	**REF04**	**C040**	**Reference Identifier**	**O**		
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
N/U	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID**	**2/3**
			Code Qualifying the Reference Identification			
N/U	**C04002**	**127**	**Reference Identification**	**M**	**AN**	**1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
N/U	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID**	**2/3**
			Code Qualifying the Reference Identification			
N/U	**C04004**	**127**	**Reference Identification**	**X**	**AN**	**1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

N/U	C04005	128	**Reference Identification Qualifier**	X	ID	2/3

Code Qualifying the Reference Identification

N/U	C04006	127	**Reference Identification**	X	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**DTM** Date/Time Reference	
Position:	310	
Loop:	MLS	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	DTM01	374	Date/Time Qualifier	M	ID	3/3

Code specifying type of date or time, or both date and time

	196	Start
	197	End
	240	Baseline Start
	241	Baseline Complete
	242	Actual Start
	243	Actual Complete
	244	Estimated Start
	245	Estimated Completion

	Ref. Des.	Data Element	Name		Attributes	
Must Use	DTM02	373	Date	X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name		Attributes	
N/U	DTM03	337	Time	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name		Attributes	
N/U	DTM04	623	Time Code	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name		Attributes	
N/U	DTM05	624	Century	O	N0	2/2

The first two characters in the designation of the year (CCYY)

	Ref. Des.	Data Element	Name		Attributes	
N/U	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3

Code indicating the date format, time format, or date and time format

N/U   **DTM07**   **1251**   **Date Time Period**   X   AN   1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**QTY** Quantity	
Position:	320	
Loop:	MLS	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify quantity information	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2

Code specifying the type of quantity

AT	Actual
AV	Budget
VE	Earned Value

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY02	380	**Quantity**	M	R	1/15

Numeric value of quantity

	Ref. Des.	Data Element	Name	Attributes		
	QTY03	C001	**Composite Unit of Measure**	O		

To identify a composite unit of measure(See Figures Appendix for examples of use.)

	Ref. Des.	Data Element	Name	Attributes		
Must Use	C00101	355	**Unit or Basis for Measurement Code**	M	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

HR	Hours

Use this code to identify that the quantity entered in QTY02 is for hours - i.e., the number of hours related to the milestone.

UN	Unit

Use this code to assign unit weights to the milestone. The figure entered in QTY02 is used to calculate earned value when the milestone is complete - it is a certain "weight" or percentage of the total budget allocated to a task that has many milestones.

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00102	1018	**Exponent**	O	R	1/15

Power to which a unit is raised

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00103	649	**Multiplier**	O	R	1/10

Value to be used as a multiplier to obtain a new value

	Ref. Des.	Data Element	Name	Attributes		
N/U	C00104	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner

			in which a measurement has been taken			
N/U	C00105	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00106	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
N/U	C00107	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00108	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00109	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
N/U	C00110	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00111	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00112	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
N/U	C00113	355	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
N/U	C00114	1018	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised			
N/U	C00115	649	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			

Segment: **AMT** Monetary Amount
Position: 330
Loop: MLS
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	AMT01	522	Amount Qualifier Code	M	ID	1/2
			Code to qualify amount			
			B5 Budgeted			
			CW Earned Value			
			CX Actual			
Must Use	AMT02	782	Monetary Amount	M	R	1/15
			Monetary amount			
N/U	AMT03	478	Credit/Debit Flag Code	O	ID	1/1
			Code indicating whether amount is a credit or debit			

Segment:	**PCT** Percent Amounts	
Position:	340	
Loop:	MLS	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To qualify percent amounts and supply percent amounts	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*Use this segment as an alternative to using the Quantity segment to assign an earned value weight to a particular milestone. This weight percent is used to calculate earned value for a task that has many milestones - each milestone is worth so much earned value when complete. The earned value that can be earned when the given milestone is completed may be entered as a quantity (hours) or monetary amount (dollars) in the QTY or AMT segments in this Milestone loop.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PCT01	1004	**Percent Qualifier**	M	ID	1/2
			Code to qualify percent			
			18 Percent of Value			
Must Use	PCT02	954	**Percent**	M	R	1/10
			Percentage expressed as a decimal			

	SE Transaction Set Trailer
Segment:	
Position:	350
Loop:	
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use SE01	96	**Number of Included Segments**	M N0 1/10

Total number of segments included in a transaction set including ST and SE segments

Must Use SE02	329	**Transaction Set Control Number**	M AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

SE02 is the same number as the number in ST02.